

FIG.1

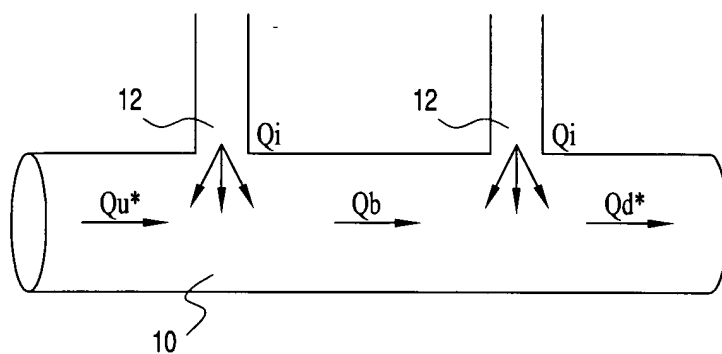


FIG.2

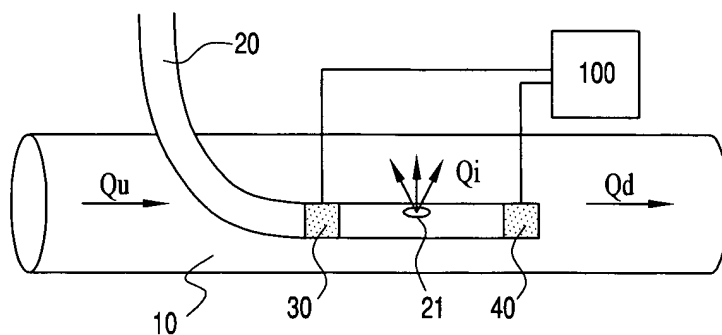
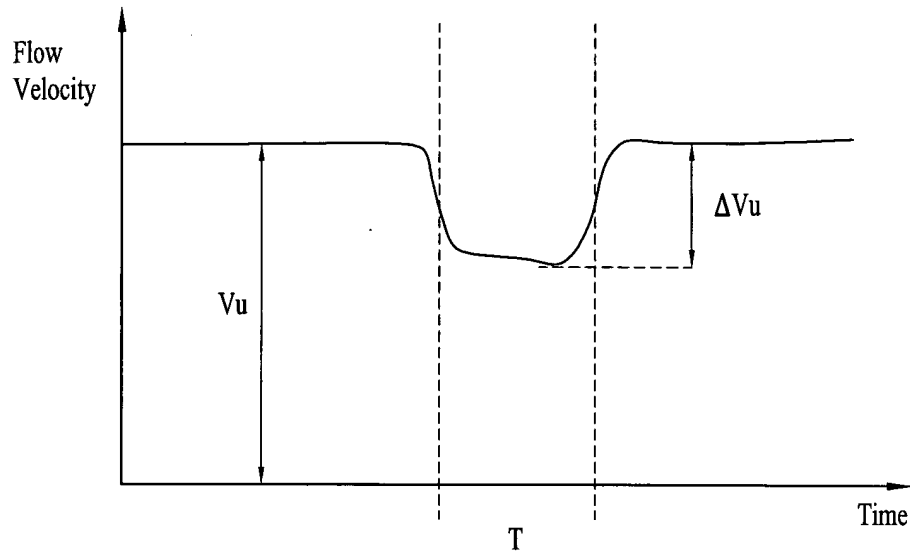


FIG.3

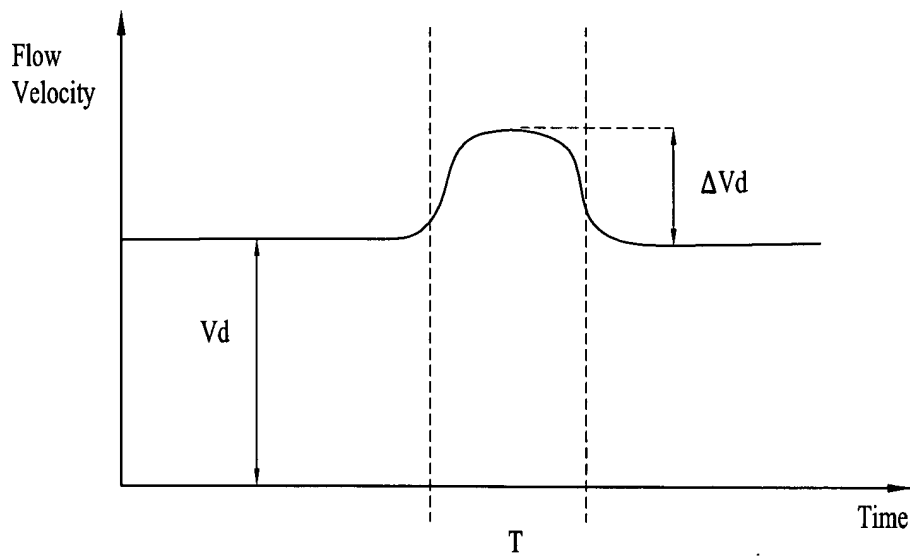
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FIG.4a



$\Delta V_2$

FIG.4b



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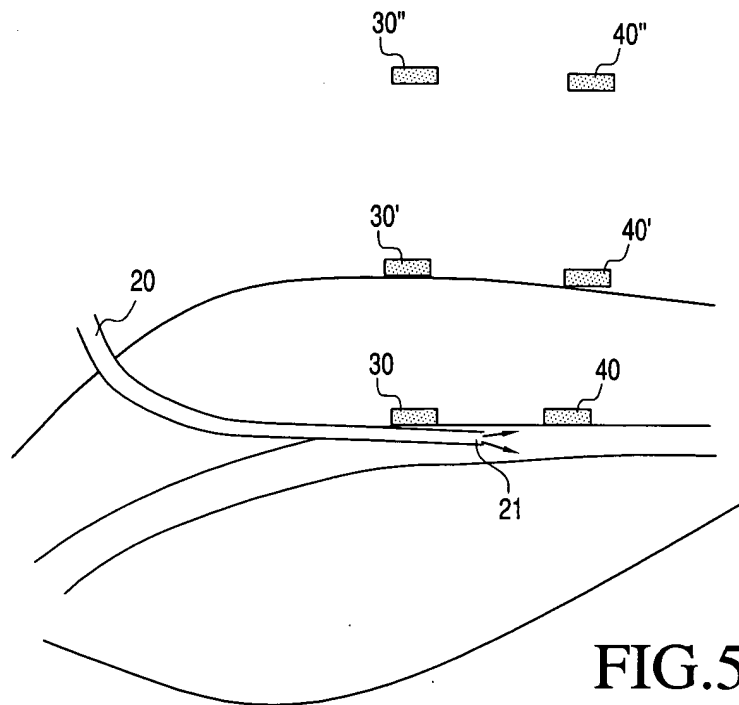


FIG. 5

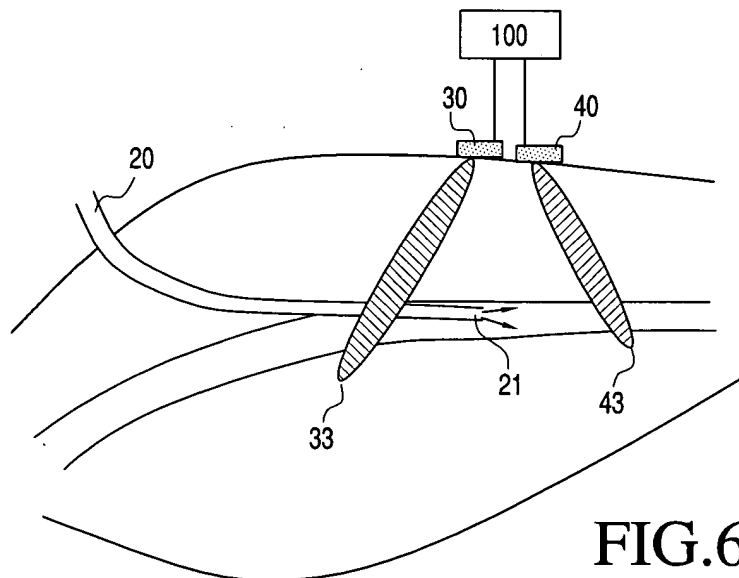
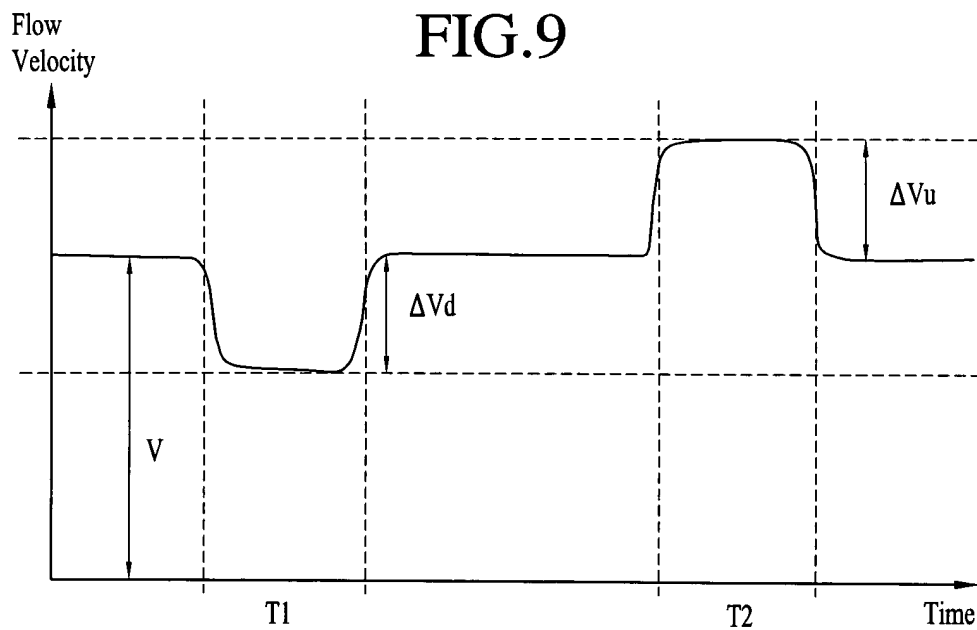
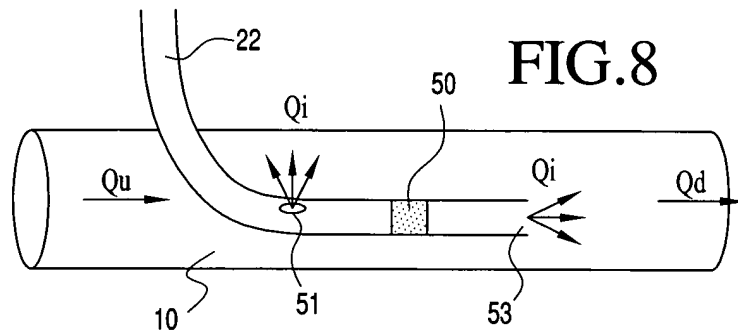
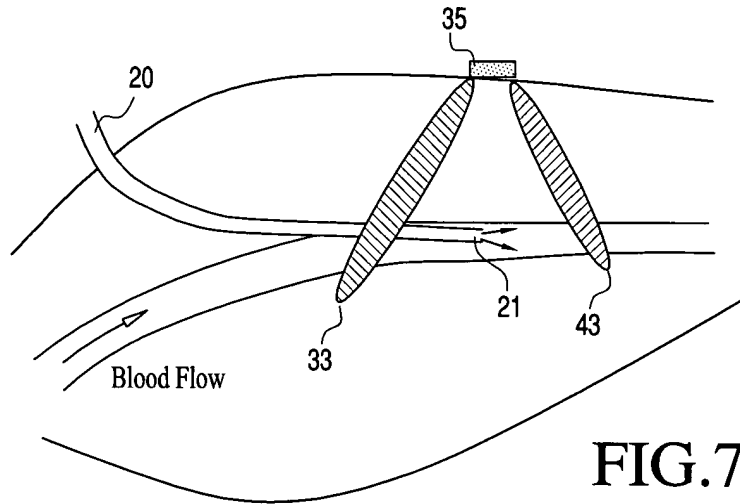


FIG. 6

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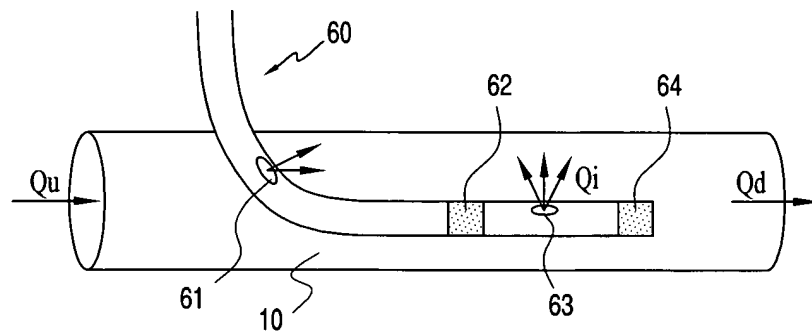
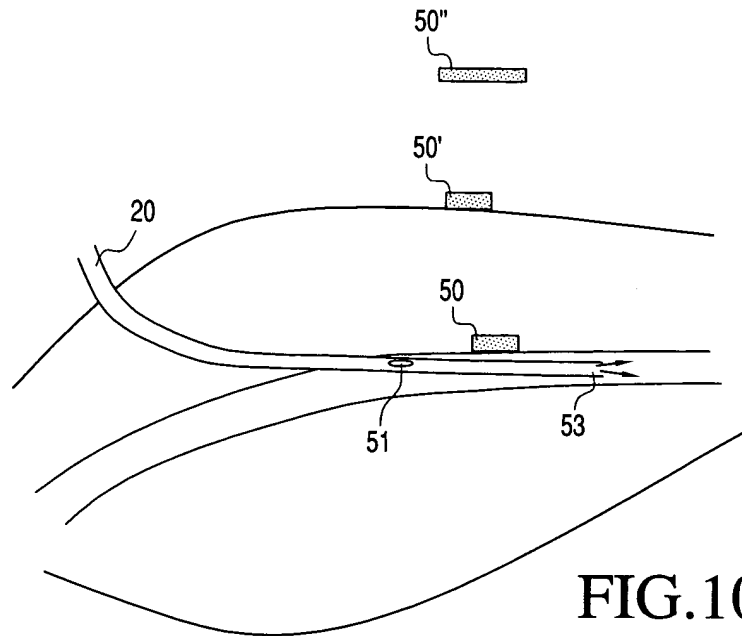
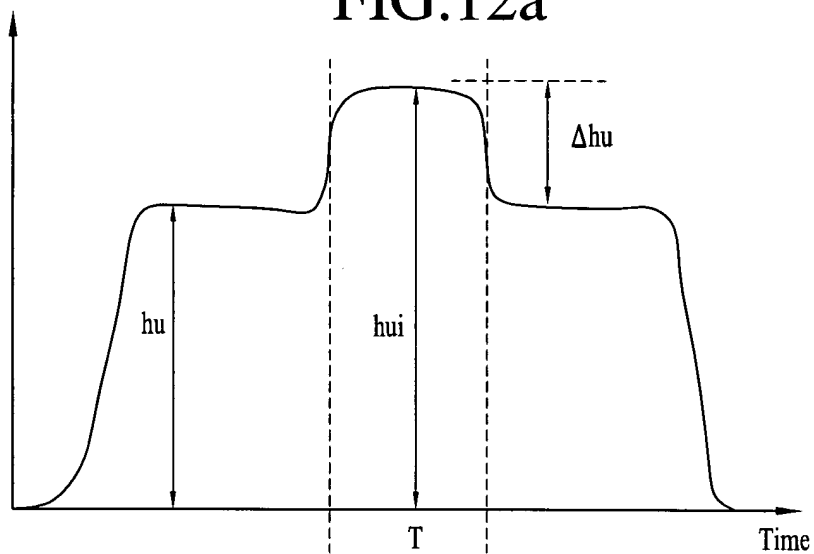


FIG.11

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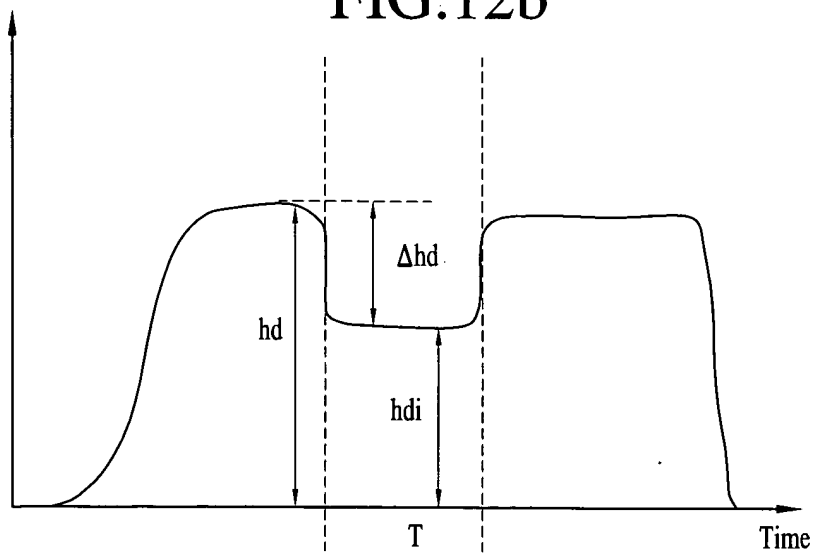
Indicator  
Concentration  
(Upstream Sensor)

FIG. 12a



Indicator  
Concentration  
(Downstream Sensor)

FIG. 12b



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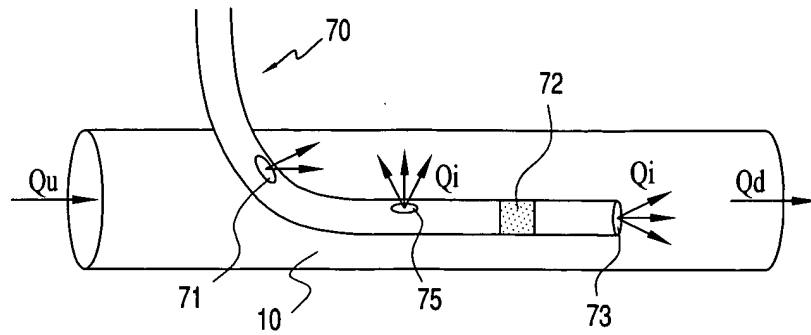


FIG.13

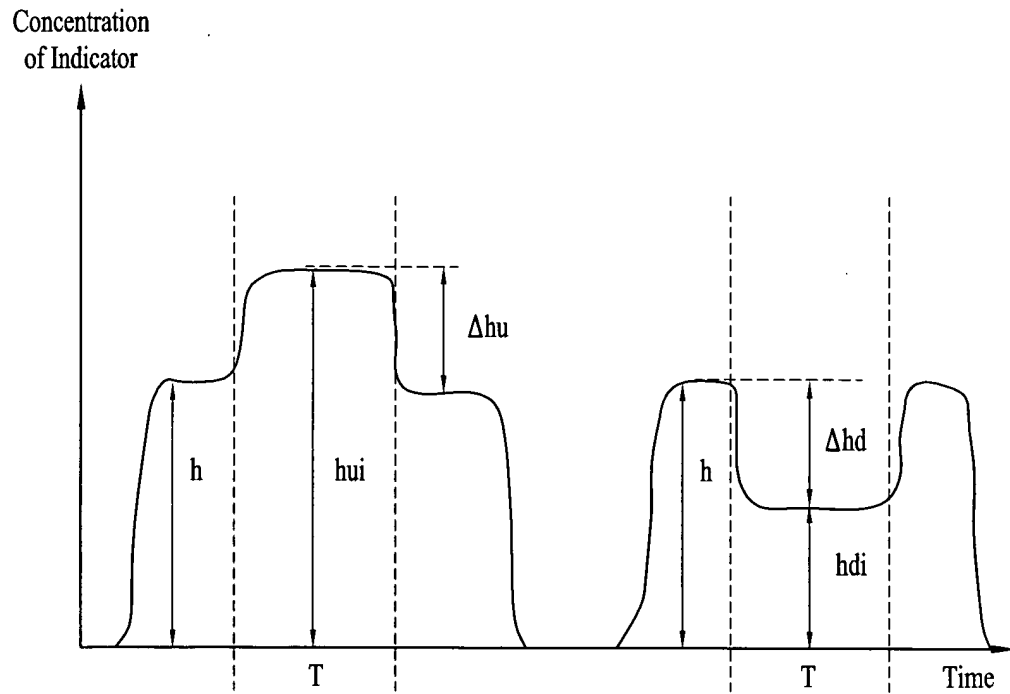


FIG.14

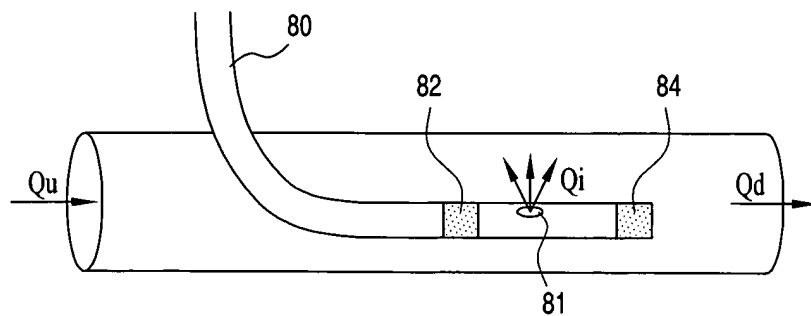


FIG.15

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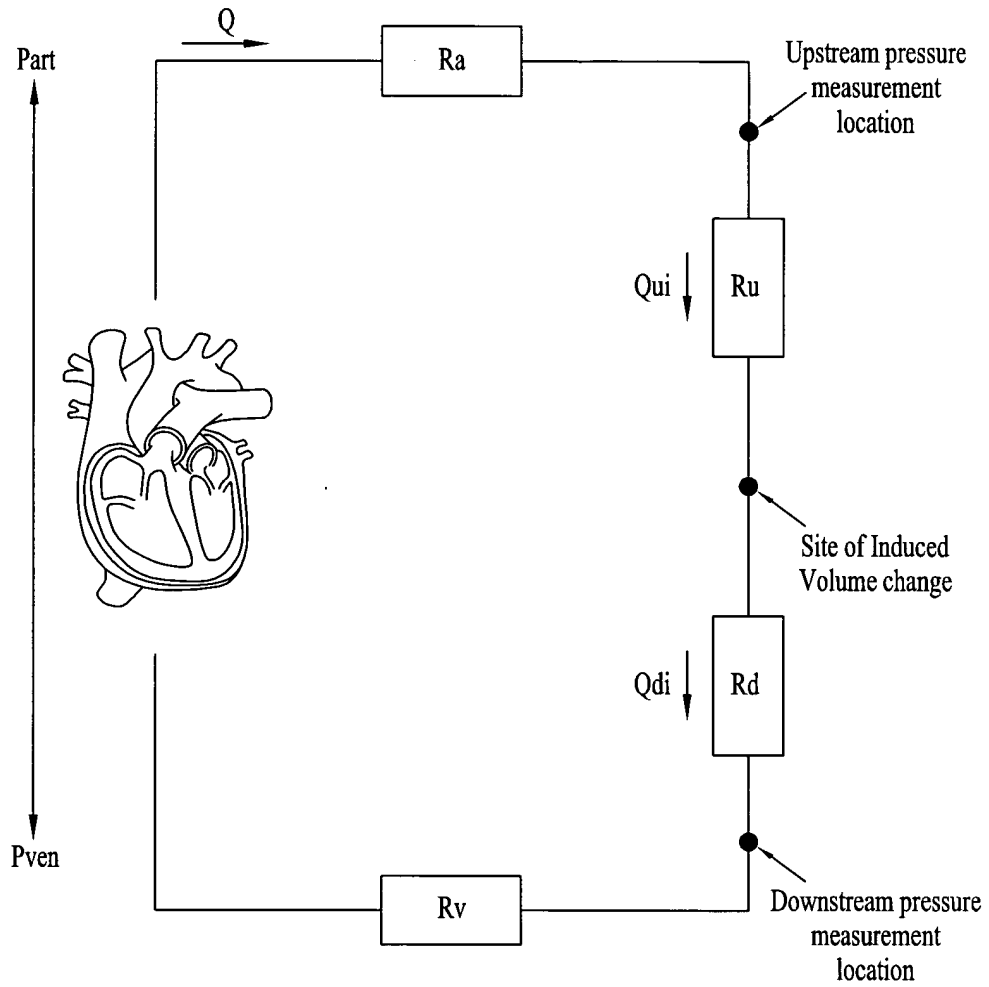


FIG.16



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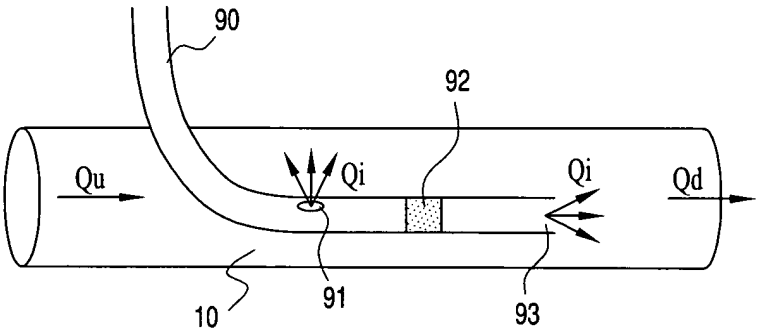
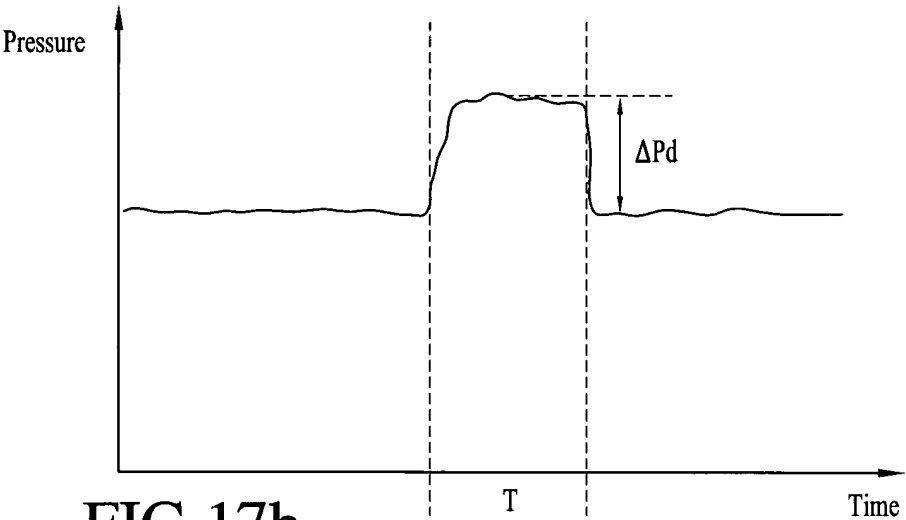
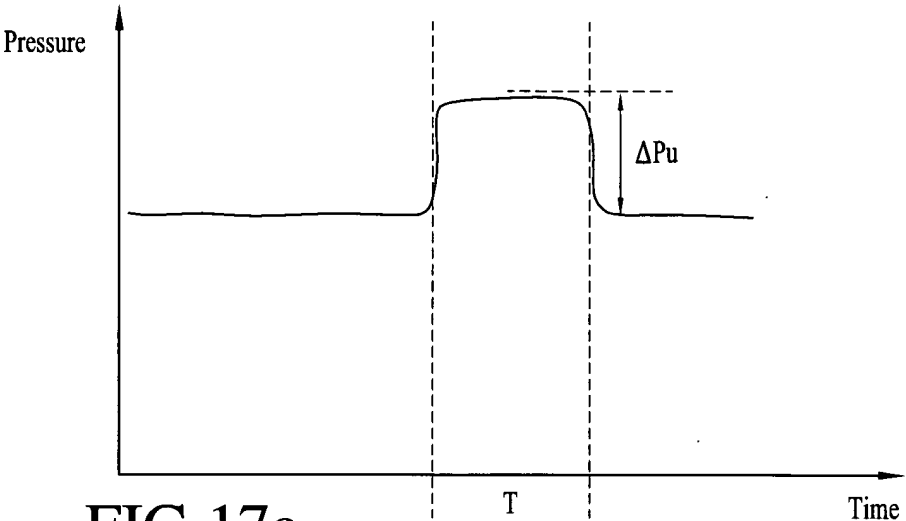


FIG. 18

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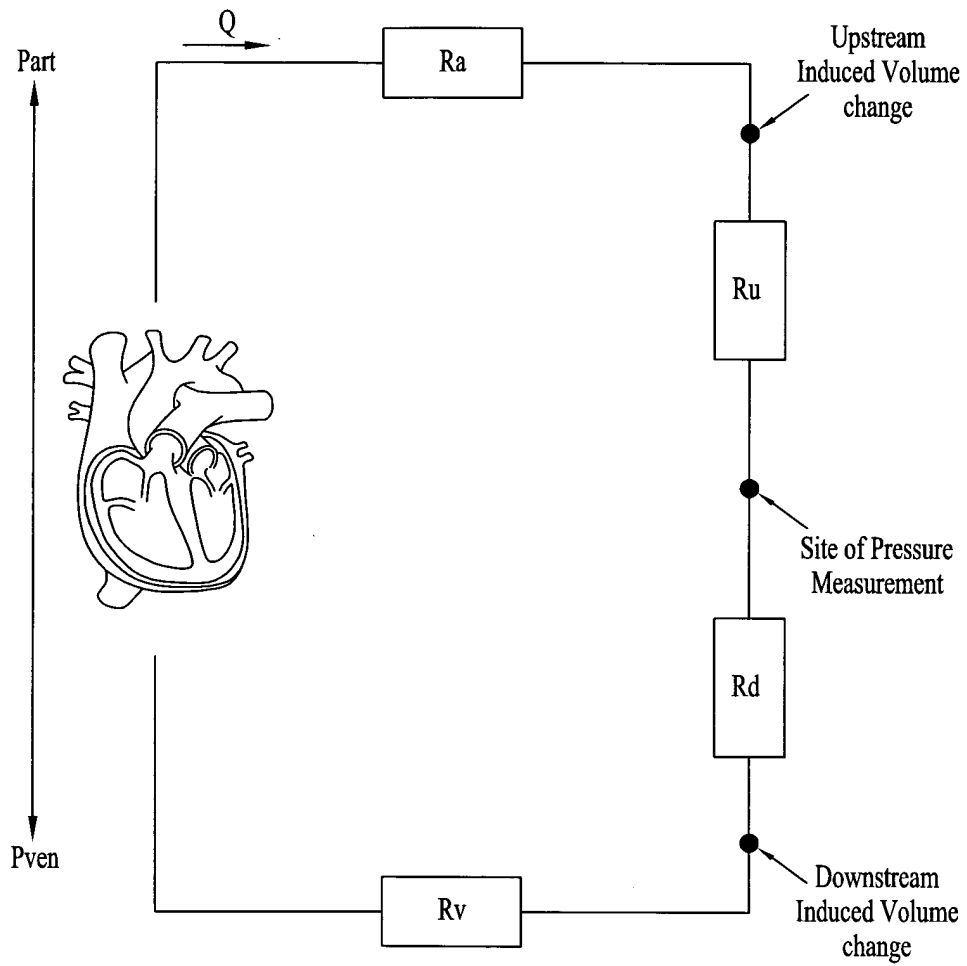


FIG.19

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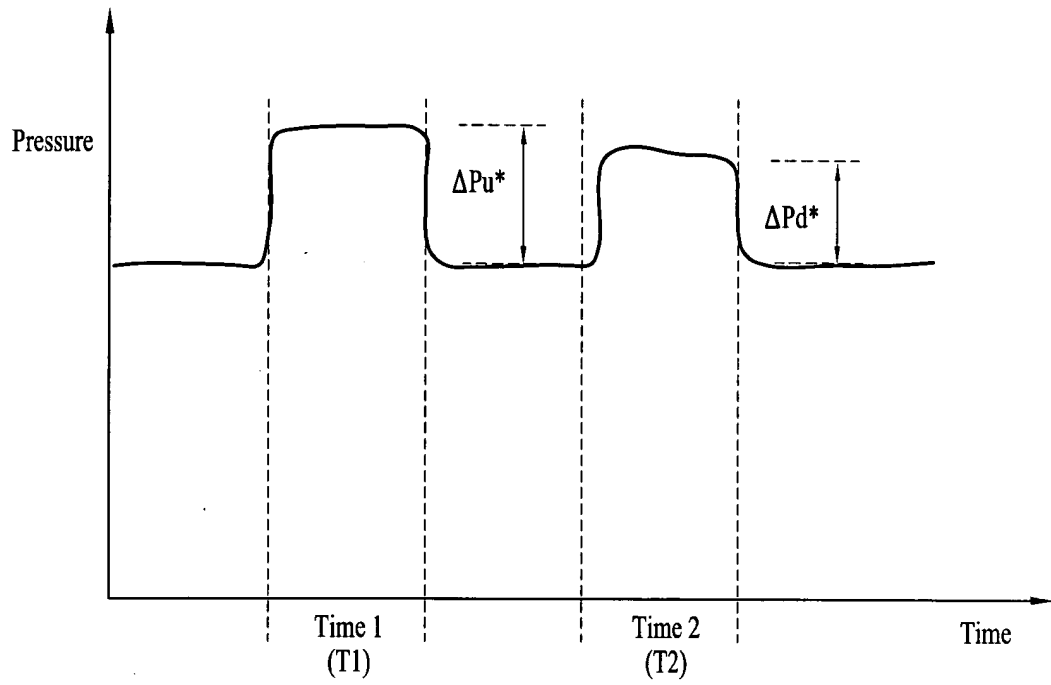


FIG.20